

FIG. 1A

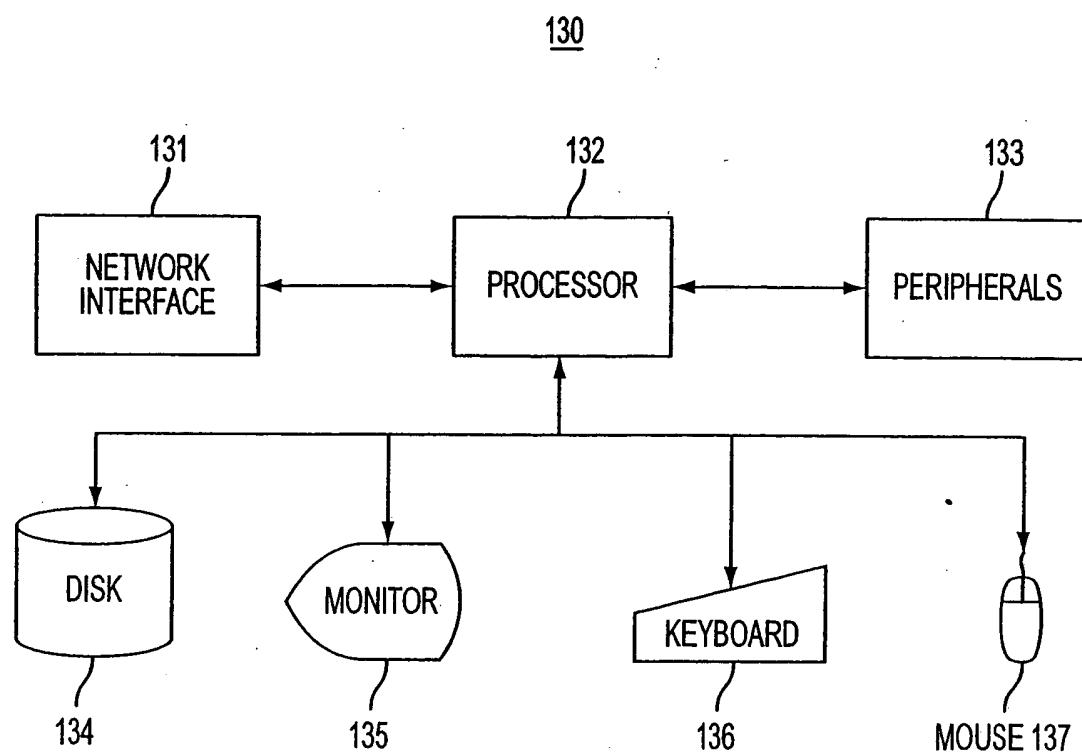


FIG. 1B

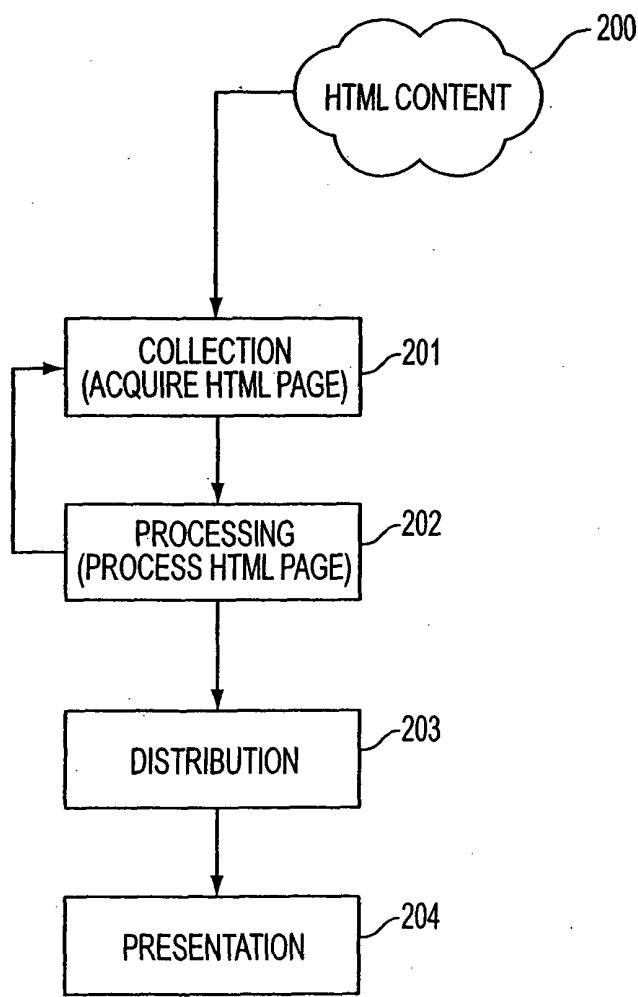


FIG. 2

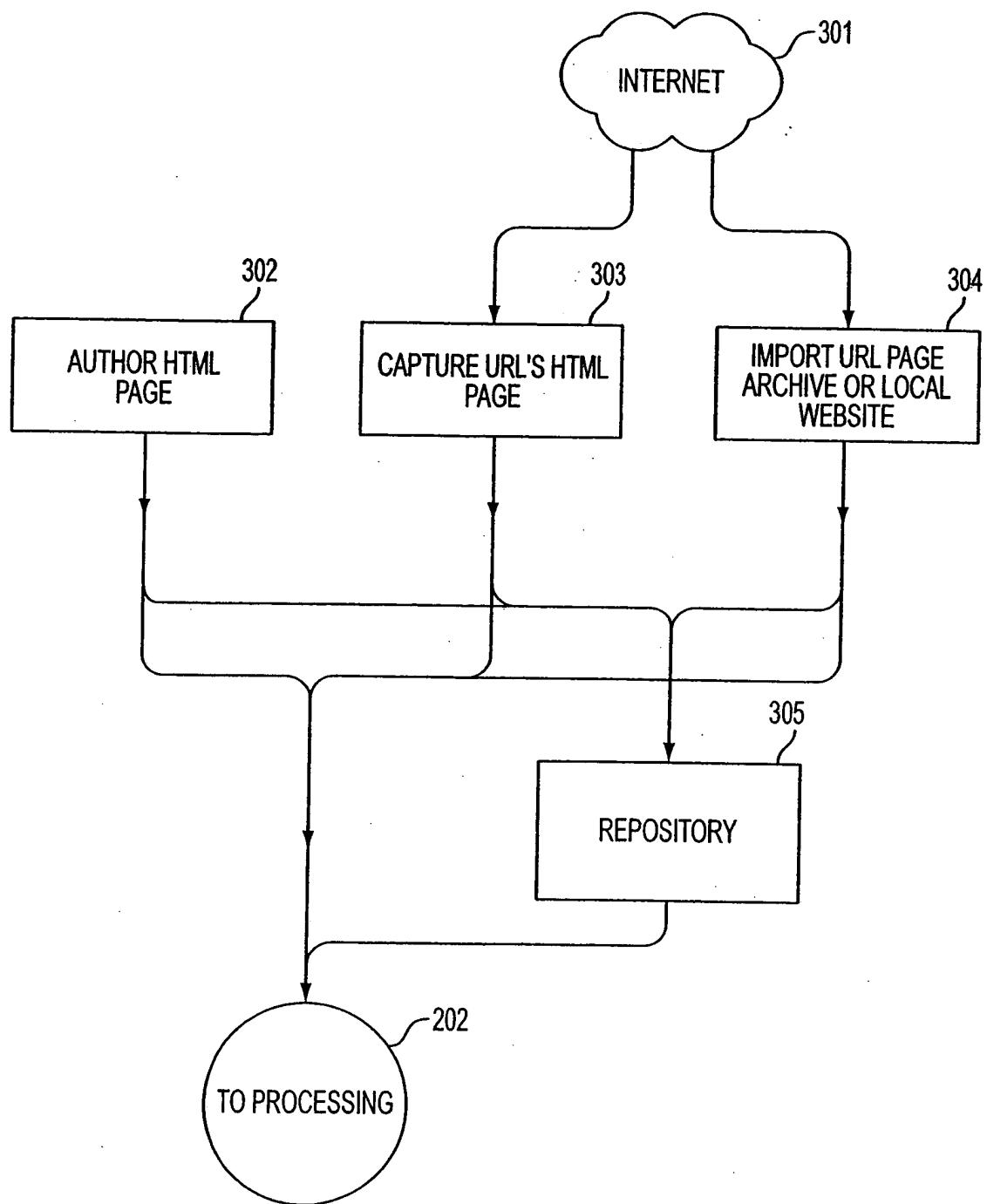


FIG. 3

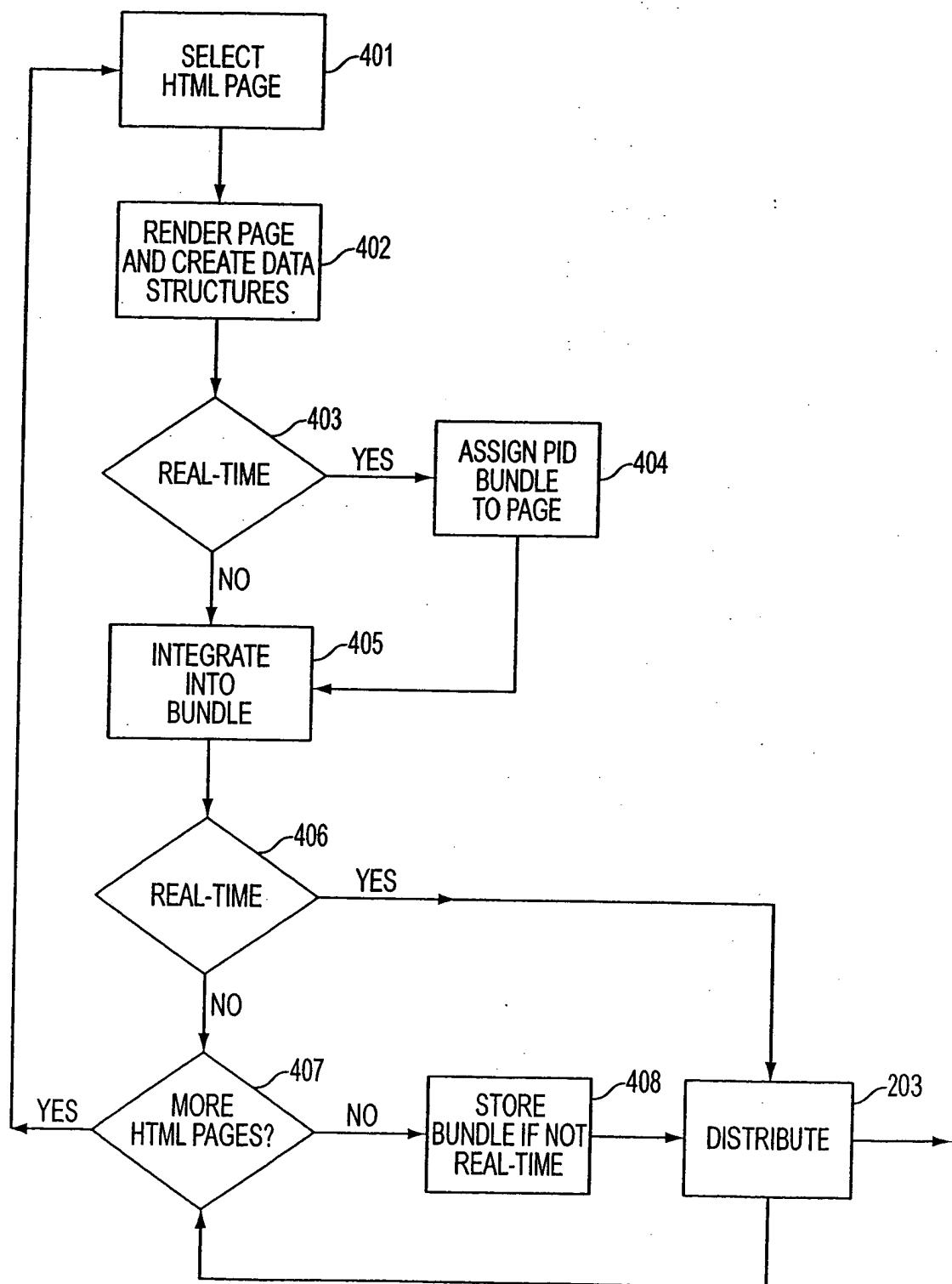


FIG. 4

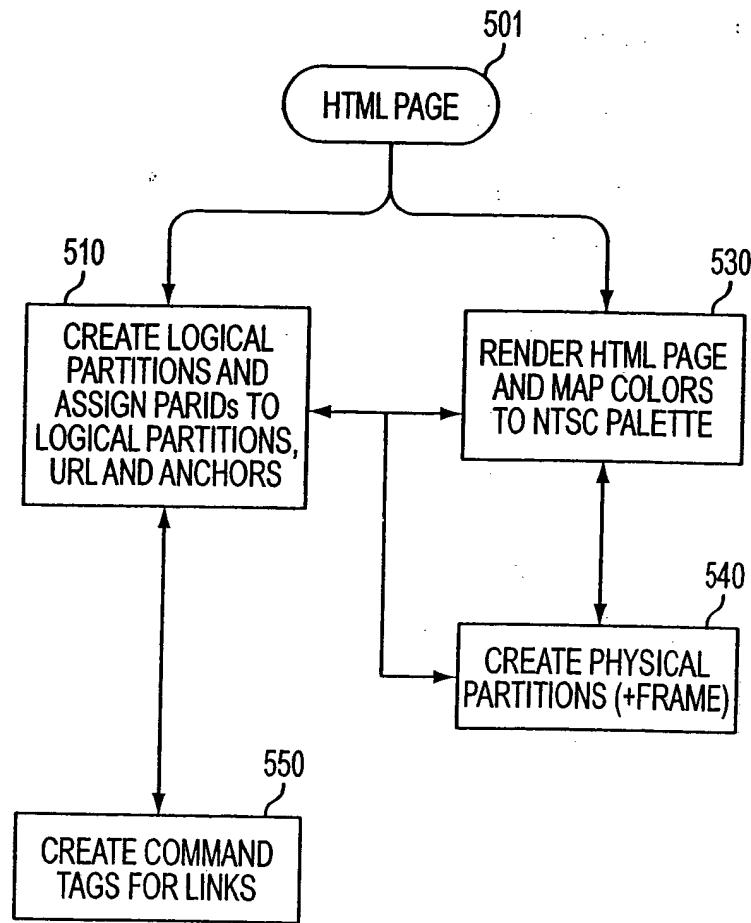


FIG. 5

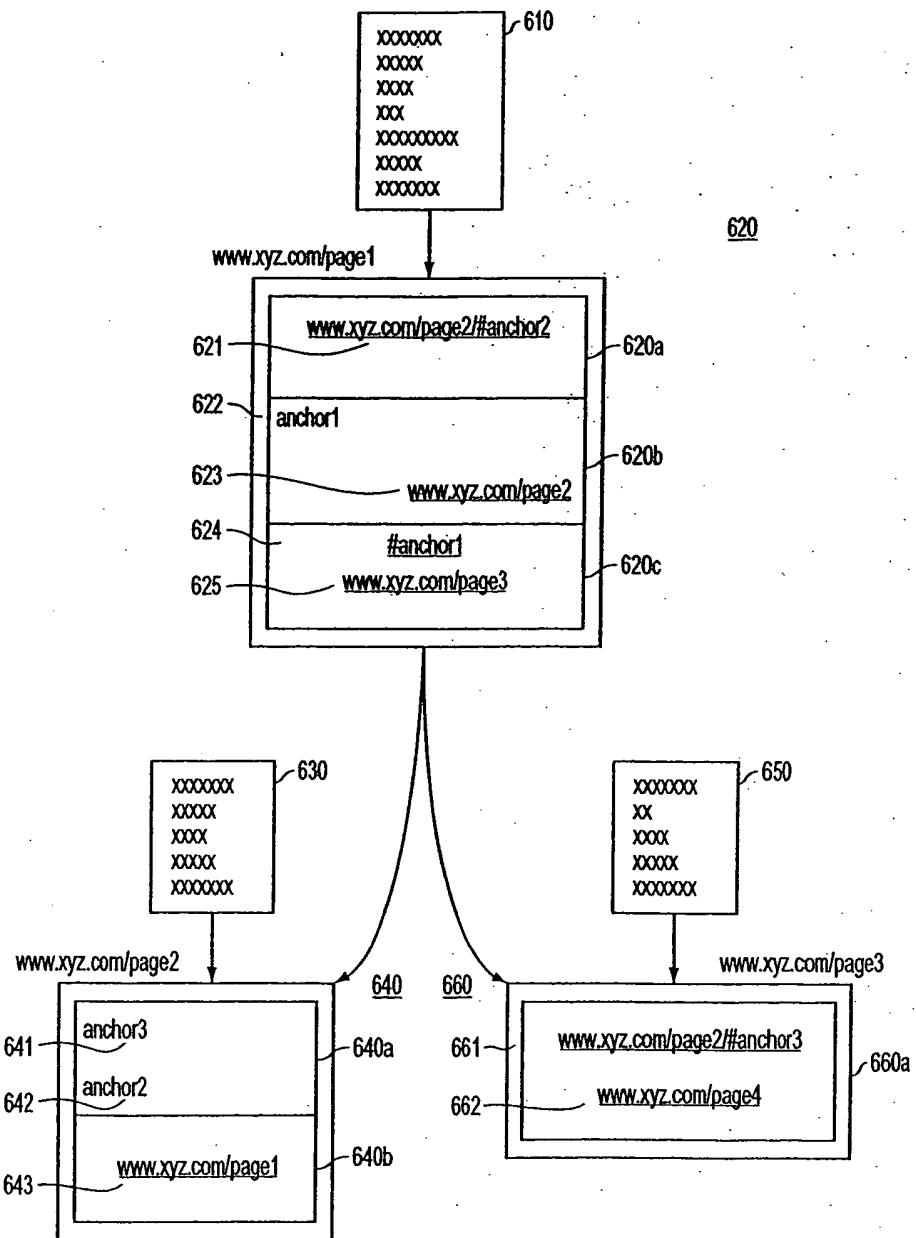


FIG. 6

```
1  /** Select a page to process */
2  /** Paged Selected is next entry in PUT where Processed = N */
3  /**
4  For this pages {
5      /**
6          Create new entry in PPT
7              Assign PARID/PPT = Link PARID/PUT
8              Assign firstPartition = Link PARID/PUT
9              Assign currentPartition = Link PARID/PUT
10     For all partitions in page {
11         /**
12             For all links found in currentPartition do {
13                 Separate link into link.location and link.anchorRef
14                 On type of Link {
15                     Case: Link is an Anchor
16                         Create new entry in PAM
17                             Assign Page First Partition/PAM = firstPartition
18                             /**
19                             Assign Anchor/PAM = link.anchorRef
20                             Assign PARID/PAM = currentPartition
21                     Case: Link is an Anchor URL
22                         Create new entry in PLT
23                             Assign PARID/PLT = currentPartition
24                             Assign Anchor Reference/PLT = link.anchorRef
25                             If link.location in PUT
26                                 /**
27                                 Assign Link PARID/PLT = Link PARID/PUT
28                                     where URL/PUT equals link.location
29                             else
30                                 /**
31                                 Assign newParID = getNewParID()
32                                 Create new entry in PUT
33                                     Assign URL/PUT = link.location
34                                     Assign Link PARID/PUT = newParID
35                                     Assign Processed/PUT = "N"
36                                     Assign Link PARID/PLT = newParID
37                     Case: Link is a Page URL
38                         Create new entry in PLT
39                             Assign PARID/PLT = currentPartiton
40                             Assign Anchor Reference/PLT = NULL
41                             If link.location in PUT
42                                 /**
43                                 Assign Link PARID/PLT = Link PARID/PUT
44                                     where URL/PUT equals link.location
45                             else
```

FIG. 7A

```
46      /** New page reference **/  
47      Assign newParID = getNewParID()  
48      Create new entry in PUT  
49          Assign URL/PUT = link.location  
50          Assign Link PARID/PUT = newParID  
51          Assign Processed/PUT = "N"  
52      Assign Link PARID/PLT = newParID  
53  }  
54  If there are more partitions to process  
55      Assign newParID = getNewParID()  
56      Create entry in PPT  
57          Assign ParID/PPT = newParID  
58          setPrevNextPartitions(newParID)  
59          Assign currentPartition = newParID  
60  }  
61      Assign Processed/PUT = "Y"  
62  }
```

FIG. 7B

	URL	Link PARID	Processed
800	www.XYZ.com/page1	1	Y
802	www.XYZ.com/page2	2	Y
804	www.XYZ.com/page3	5	Y
806	www.XYZ.com/page4	7	N

FIG. 8A

Page Partition Table (PPT)

	PARID	Prev PARID	Next PARID	Phys Par Ptr	Processed
810	1	null	3	ptr1	
812	3	1	4	ptr2	
814	4	3	null	ptr3	
816	2	null	6	ptr4	
818	6	2	null	ptr5	
820	5	null	null	ptr6	

FIG. 8B

Partition Links Table (PLT)

	PARID	Link PARID	Anchor Reference	Command Tag
830	1	2	#anchor2	(..., x1, y1, x2, y2, 2.#anchor2)
832	3	2	null	(..., x3, y3, x4, y4, 2)
834	4	1	#anchor1	(..., x5, y5, x6, y6, 1.#anchor1)
835	4	5	null	(..., x7, y7, x8, y8, 2)
836	6	1	null	(..., x9, y9, x10, y10, 2)
838	5	2	#anchor3	(..., x11, y11, x12, y12, 2.#anchor3)
839	5	7	null	(..., x15, y15, x16, y16, 7)

FIG. 8C

Page Anchor Map (PAM)

	Page First PARID	Anchor	PARID
840	1	anchor1	3
842	2	anchor3	2
844	2	anchor2	2

FIG. 8D